

**Preliminary Amendment**

Page 2

Applicants : Fayrer-Hosken, et al.

Serial No. 10/019,643

Filed: December 28, 2002

Attorney Docket No.: 235.0030 0101

Title: METHOD AND COMPOSITION FOR AFFECTING REPRODUCTIVE SYSTEMS

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6. (Amended) The method of claim 5 wherein the oocyte-producing organism is a bird and wherein the reproductive disease, disorder or condition is selected from the group consisting of egg-binding disease, dystocia, egg-related peritonitis, oophoritis, neoplasia of the reproductive tract, prolapsed oviduct and cloaca, salpingitis, metritis, oviduct impaction, cloacal problems, cystic hyperplasia, ectopic egg formation, chronic egg laying and undesirable behavior as a result of reproductive activity or reproductive problems.

7. (Amended) The method of claim 5 wherein the oocyte-producing organism is a reptile and wherein the reproductive disease, disorder or condition is selected from the group consisting of egg-binding disease, dystocia, egg-related peritonitis, oophoritis, neoplasia of the reproductive tract, prolapsed oviduct and cloaca, salpingitis, metritis, oviduct impaction, cloacal problems, cystic hyperplasia, ectopic egg formation, chronic egg laying and undesirable behavior as a result of reproductive activity or reproductive problems.

8. (Amended) The method of claim 5 wherein the oocyte-producing organism is a fish and wherein the reproductive disease, disorder or condition is selected from the group consisting of egg-binding disease, dystocia, egg-related peritonitis, oophoritis, salpingitis, oviduct impaction and ectopic egg formation.

9. (Amended) The method of claim 5 wherein the oocyte-producing organism is a rabbit and wherein the reproductive disease, disorder or condition is selected from the group consisting of dystocia, peritonitis, neoplasia of the reproductive tract, neoplasia of the mammary glands, metritis cystic hyperplasia and undesirable behavior as a result of reproductive activity or reproductive problems.

12. (Amended) The method of claim 4 wherein the zona pellucida protein is a glycoprotein.

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Page 3

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13. (Amended) The method of claim 4 wherein the zona pellucida protein is a naturally occurring protein.

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ant  
14. (Amended) The method of claim 4 wherein the zona pellucida protein is a recombinant protein or synthetic protein.

15. (Amended) The method of claim 4 wherein the zona pellucida protein comprises at least one zona pellucida protein selected from the group consisting of a porcine zona pellucida protein and an avian zona pellucida protein.

16. (Amended) The method of claim 4 wherein the polypeptide further comprises a T cell epitope, a helper T cell or a B cell epitope.

17. (Amended) The method of claim 4 wherein the immunogenic composition further comprises an adjuvant.

all  
21. (Amended) The method of claim 4 wherein the immunogenic composition excludes an adjuvant.

ab  
23. (Amended) The method of claim 4 wherein the immunogenic composition comprises a zona pellucida protein or immunogenic fragment thereof.

ab  
27. (Amended) The method of claim 4 wherein the immunogenic composition comprises an immunogenic conjugate comprising a zona pellucida protein or a fragment thereof, conjugated to a carrier molecule.

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Page 4


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 28. (Amended) The method of claim 27 wherein the immunogenic conjugate is dually functional.

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